

REMARKS

The Drawings

In the above-identified Office Action it is required that Fig. 1 be labelled as PRIOR ART. However, it is believed that Figure 1 is not referred to in the Specification as prior art, but is merely stated to be an example of a circuit applicable to a certain type of X-ray image pickup apparatus (see page 3). Accordingly, Fig. 1 is submitted herewith as a Replacement Sheet wherein Fig. 1 is identified as CONVENTIONAL ART.

The Form of the Claims

Paragraph 3 of the Office Action lists several objections to the wording of the two claims of the application, and proposes solutions for overcoming those objections. By this response, Claim 66 has adopted those changes or deleted the objectionable phrases, while Claim 67 has been cancelled.

Claim Rejections

Claims 66 and 67 were rejected as being obvious in view of a combination of the disclosures of the cited Hamazaki and four other cited patents. In response, Claim 66 has been extensively amended. Claim 67 has been cancelled, and now Claims 68-72 have been added as new claims. Applicants believe that all of the claims as now presented are allowable over the cited references.

In particular, amended Claim 66 and the new claims are patentably distinct over the cited references in view of their requirement that a second switch (reset switches D1-D3) is turned on simultaneously with turning on a first switch (reset switches RES1-RES3), and then is turned off a delay time period after turning off the first switch. This special feature defines independent Claims 66, 68 and 72 as supported by a disclosure in the paragraph starting at the bottom of page 54 of the Specification and provides a significant technical advantage in that KTC noise occurring upon reset of capacitance formed in each signal wire can be removed. This permits an enhancement of S/N of the photoelectric conversion apparatus and permits high-quality images to be obtained. Also, new Claim 68 is supported by the paragraph starting at line 9 on page 50 of the Specification and now Claims 70 and 71 by Embodiments and 2 and 4, respectively.

In this regard, none of the cited prior art patents discloses or suggests the above-characterized feature of the present invention.

For these various reasons it is believed that amended Claim 66 and new Claims 68-72 are allowable, wherefore the issuance of a Notice of Allowance is solicited.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

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